

Remarks/Arguments:

Claims 1, 8, 9, 11, 20, 21 and 23 have been amended. No new matter is introduced herein. Claims 1-6, 8, 9, 11-13, 15, 17-21 and 23 are pending.

Claim 1 has been amended to clarify that: 1) the indication means indicates a recording start frame and a recording stop frame of the generated video signal, 2) continuous frames are contained in a cut from the recording start frame to the recording stop frame, 3) the AutoREC signal has recording marks to be multiplexed with the continuous frames contained in the cut and 4) the recording mark has a value which changes alternately for every frame so that AutoREC signal detection means detects, when the recorded video signal is reproduced, an indication that reproduction of the recorded video signal is stopped. Claims 8, 11, 20 and 23 have been similarly amended. No new matter is introduced herein. Support for the amendment can be found, for example, at Applicants' Fig. 5. Claims 9 and 21 have been amended to correspond to respective claims 8 and 20.

Claims 1-6 and 8-9 have been rejected under 35 U.S.C. § 102(e) as being anticipated by David et al. (U.S. No. 2002/0131764). It is respectfully submitted, however, that these claims are patentable over the cited art for the reasons set forth below.

Claim 1, as amended, includes features neither disclosed nor suggested by the cited art, namely;

... indication means of indicating a recording start frame and a recording stop frame of said generated video signal...

... video signal recording means of recording said generated video signal, continuous frames of which are contained in a cut from said recording start frame to said recording stop frame ...

... AutoREC signal generation means of generating an AutoREC signal, which has recording marks to be multiplexed with said continuous frames contained in said cut ...

... said recording mark has a value which changes alternately for every frame ... (Emphasis added)

Claim 8 includes a similar recitation.

David et al. disclose, in Fig. 1, camcorder 500 that records video/audio material and metadata on recording medium 126. The metadata is linked to the material by a unique material identifier (UMID) and material reference numbers (MURNs). (Paragraphs [0090-0093]). At paragraph [0205], David et al. teach that it is possible to generate a "good shot" marker which is either stored on the tape or within a data store, with the corresponding IN POINT and OUT POINT time codes. In other words, a "good shot marker" is multiplexed with video/audio material onto a recording medium when a good image or shot has been recorded by the camera.

David et al. also discloses, in Fig. 31, that a generated MURN is passed with video and audio streams and "good shot markers and the like" to multiplexer 466 for recording on a tape (paragraphs [0287-0293]). In Fig. 33, David et al. disclose a video camera including three input sensors 56, 58, 60. Third sensor 60 provides an indication of a "good shot marker" which is manually set by the operator of the camera when a good image or shot has been recorded by the camera (paragraph [0298]). In other words, when a good image or shot has been recorded by the camera, the operator manually sets a "good shot marker" so that third sensor 60 provides an indication of the "good shot marker." Thus, one "good shot marker" is either stored on the tape or within the data store, by one good image (or by one shot) with the corresponding IN POINT and OUT POINT time codes.

David et al., however, do not disclose or suggest: 1) video signal recording means of recording the generated video signal where continuous frames are contained in a cut from the recording start frame to the recording stop frame, 2) AutoREC signal generation means of generating an AutoREC signal which has recording marks to be multiplexed with the continuous frames contained in the cut and 3) the recording mark has a value which changes alternately for every frame, as required by claim 1 (emphasis added). David et al. are silent regarding these features.

David et al. only teach that one "good shot marker" is multiplexed with one good shot or image. If the good shot or image is contained in moving images, it is not possible, in David et al., to allow the "good shot marker" to change alternately for every frame. In David et al., it may be possible to allow a "good shot marker" to change alternately for every frame, only if the good shot or image is contained in still images (where one still image is in one frame). However, Applicants' claim recites "continuous frames of which are contained in a cut from said recording start frame to said recording stop frame" (emphasis added). In other words, Applicants' claim 1 does not relate to still images. Instead, Applicants' claimed features require that recording marks are multiplexed with continuous frames which are contained in a cut and that the recording mark has a value which changes alternately for every frame. As described above, David et al. do not disclose these features. Thus, David et al. do not include all of the features of claim 1. Accordingly, allowance of claim 1 is respectfully requested.

Claim 8, although not identical to claim 1, includes features similar to claim 1 which are neither disclosed nor suggested by the cited art. Accordingly, allowance of claim 8 is respectfully requested for at least the same reasons as claim 1.

Claims 2-6 and 9 include all of the features of respective claims 1 and 8 from which they depend. Accordingly, these claims are also patentable over the cited art.

Claims 11-13, 15, 17-21 and 23 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over David et al. in view of Murata et al. (U.S. 7,260,306). It is respectfully submitted, however, that these claims are patentable over the cited art for the reasons set forth below.

Claim 11, as amended, includes features neither disclosed nor suggested by the cited art, namely:

... video signal reproduction means of reproducing a recorded video signal that has been generated, continuous frames of which are contained in a cut from an indicated recording start frame of said generated video signal to an indicated recording stop frame of said generated video signal, with which an AutoREC signal is multiplexed, said AutoREC signal having been generated and having recording marks multiplexed with said continuous frames contained in said cut; (Emphasis added)

Claims 20 and 23 include similar recitations.

David et al. are described above. Murata et al. disclose, in Fig. 10, operations of an editing method for performing role editing work, where all of the flow operations shown in Fig. 10 are "executed by manually operating the control apparatus 54 while an editor observes the images reproduced on the monitor 52" (column 2, lines 14-21). Murata et al. do not make up for the deficiencies of David et al. because they do not disclose or suggest that an AutoREC signal is generated having recording marks multiplexed with continuous frames contained in a cut, where the continuous frames are from an indicated recording start frame of a generated video signal to an indicated recording stop frame of the generated video signal, as required by claim 11. Thus, Murata et al. do not provide the features missing from David et al. with respect to claim 11. Accordingly, allowance of claim 11 is respectfully requested.

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Claims 20 and 23, although not identical to claim 11, include features similar to claim 11 which are neither disclosed nor suggested by the cited art. Accordingly, claims 20 and 23 are also patentable over the cited art for at least the same reasons as claim 11.

Claims 12, 13, 15, 17-19 and 21 include all of the features of respective claims 11 and 20 from which they depend. Accordingly, these claims are also patentable over the cited art.

In view of the amendments and arguments set forth above, the above-identified application is in condition for allowance, which action is respectfully requested.

Respectfully submitted,



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